CLAIMS

Please amend the claims as follows:

1.-19. (Canceled)

20. (Currently amended) A method for decreasing drug resistance in a target plant cell comprising introducing to the cell a drug resistance-inhibiting amount of an ecto-phosphatase inhibitory molecule in conjunction with a drug.

21.-24. (Canceled)

25. (Previously presented) The method of claim 20, further comprising down-regulating an ABC transporter in said cell.

26. (Previously amended) The method of claim 20, wherein said ecto-phosphatase is *Pisum sativum* apyrase.

27. (Previously amended) The method of claim 25, wherein the ABC transporter is *Arabidopsis thaliana* AtPGP-1.

28.-31. (Canceled)

32. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula I.

33. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula II.

34. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula III.

35. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula IV.

36. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula V.

37. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula VI.

38. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula VII.

39. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula VIII.

40. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula IX.

41. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula X.

42. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XI.

43. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XII.

44. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XIII.

45. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XIV.

46. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XV.

47. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XVI.

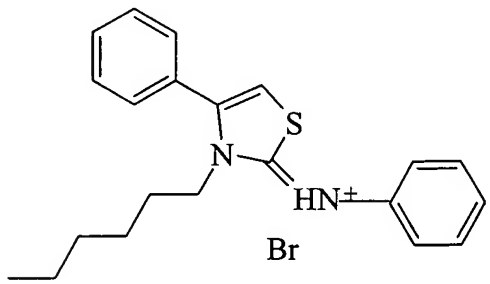
48. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XVII.

49. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XVIII.

50. (Previously presented) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is a molecule having Formula XIX.

51. (Previously presented) The method of claim 20, wherein the ecto-phosphatase inhibitory molecule is selected from the group consisting of molecules having the Formulae I through XIX:

I



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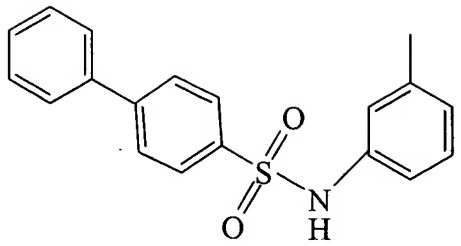

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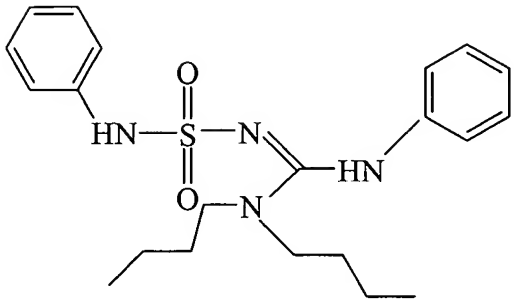

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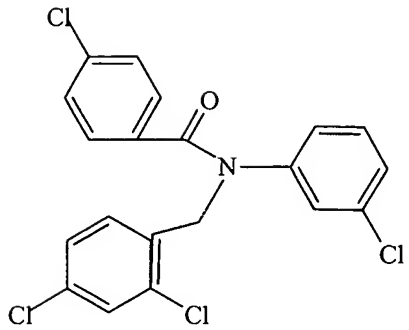

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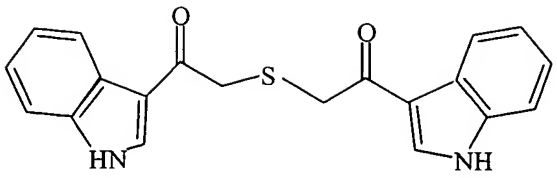

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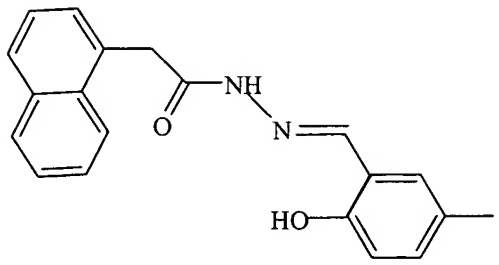

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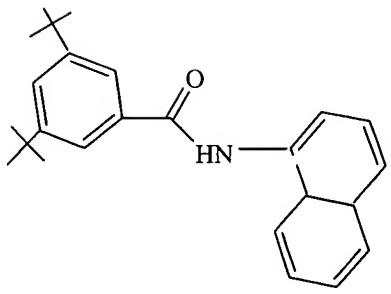

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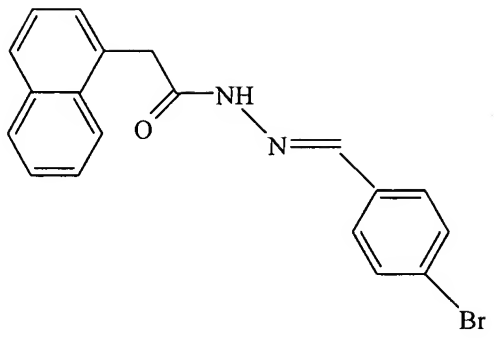

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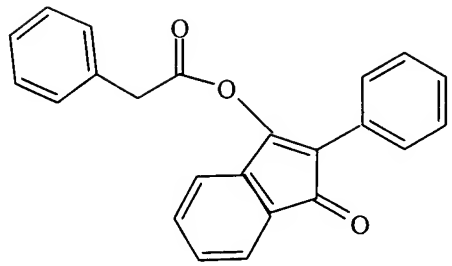

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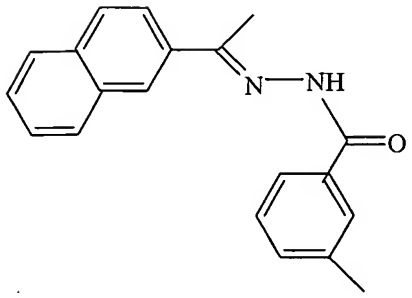

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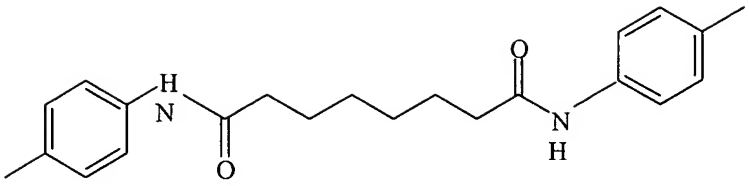

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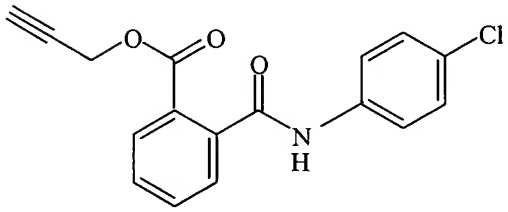

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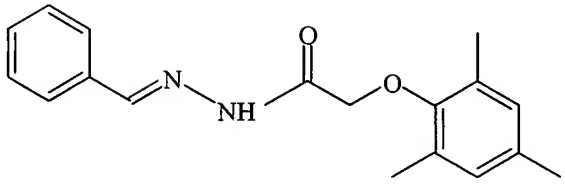

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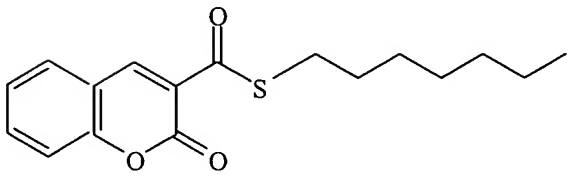

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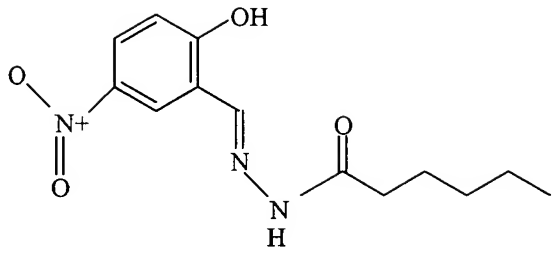

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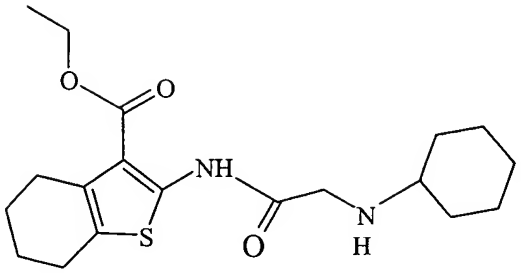

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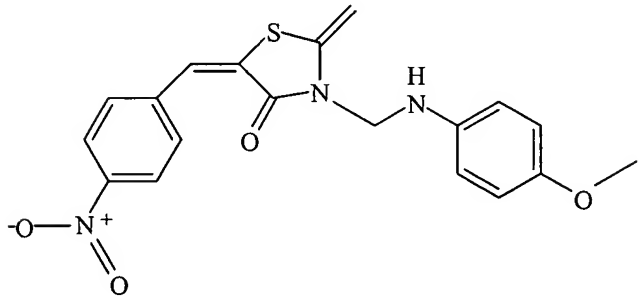

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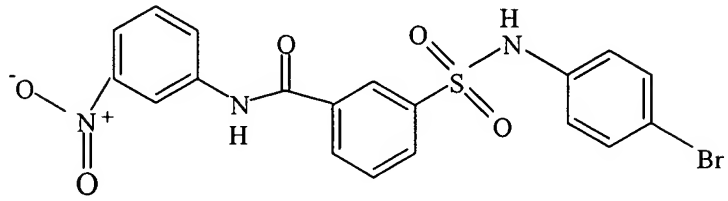

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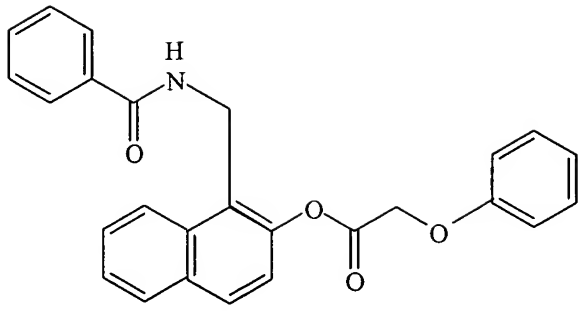

52. (New) The method of claim 51, wherein the ecto-phosphatase inhibitory molecule is α–β methyleneadenosine 5' diphosphate.